



PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

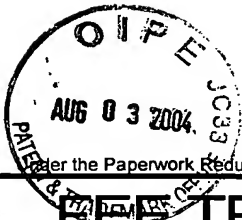
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/801,424	
	<b>Filing Date</b>	March 16, 2004	
	<b>First Named Inventor</b>	Ruizhong HU	
	<b>Group Art Unit</b>	1764	
	<b>Examiner Name</b>	Unknown	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b>	W9570-01

<b>ENCLOSURES</b> (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): A Copy of Notice to File Missing Parts of Nonprovisional Application; Return Receipt Postal Card
<b>Remarks</b>		

<b>SIGNATURE OF APPLICANT, ATTORNEY OR AGENT</b>	
<b>Firm or Individual name</b>	Charles A. Cross
<b>Signature</b>	
<b>Date</b>	July 30, 2004

<b>CERTIFICATE OF TRANSMISSION/MAILING</b>			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
<b>Signature</b>	Debra P. Darcey		
<b>Typed or printed name</b>	Debra P. Darcey	<b>Date</b>	July 30, 2004



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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

\$130.00

## Complete If Known

Application Number	10/801,424
Filing Date	March 16, 2004
First Named Inventor	Ruizhong HU
Examiner Name	Unknown
Art Unit	1764
Attorney Docket No.	W9570-01

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number  
Deposit  
Account  
Name

07-1770

W.R.Grace & Co.-Conn - MD

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
1001		2001		Utility filing fee	
1002		2002		Design filing fee	
1003		2003		Plant filing fee	
1004		2004		Reissue filing fee	
1005		2005		Provisional filing fee	
SUBTOTAL (1)					\$0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims  -  =  x  =

Independent Claims  -  =  x  =

Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
1202		2202		<input type="checkbox"/> Claims in excess of 20	
1201		2201		<input type="checkbox"/> Independent claims in excess of 3	
1203		2203		<input type="checkbox"/> Multiple dependent claim, if not paid	
1204		2204		<input type="checkbox"/> ** Reissue independent claims over original patent	
1205		2205		<input type="checkbox"/> ** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) \$0.00

\* or number previously paid, if greater. For Reissues, see above

Or ☐ Total Filing and Extra Claim Fees As Filed

☐ Total Extra Claim Fees As Amended

From Page 2 Parts 1 or 2

SUBMITTED BY

This Fee is In Lieu Of Parts 1 and 2 above

Name (Print Type)

Charles A. Cross

Registration No.  
(Attorney/Agent)

32406

Telephone

410-531-4518

Signature

Date

July 30, 2004

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
1051	130.00	2051		Surcharge - late filing fee or oath	130.00
1052		2052		Surcharge - late provisional filing fee or cover sheet	
1053		1053		Non-English specification	
1812		1812		For filing a request for ex parte reexamination	
1804*		1804*		Requesting publication of SIR prior to Examiner action	
1805*		1805*		Requesting publication of SIR after Examiner action	
1251		2251		Extension for reply within first month	0
1252		2252		Extension for reply within second month	0
1253		2253		Extension for reply within third month	0
1254		2254		Extension for reply within fourth month	0
1255		2255		Extension for reply within fifth month	0
1401		2401		Notice of Appeal	
1402		2402		Filing a brief in support of an appeal	
1403		2403		Request for oral hearing	
1451		1451		Petition to institute a public use Proceeding	
1452		2452		Petition to revive - unavoidable	
1453		2453		Petition to revive - unintentional	
1501		2501		Utility issue fee (or reissue)	
1502		2502		Design issue fee	
1503		2503		Plant issue fee	
1460		1460		Petitions to the Commissioner	
1807		1807		Processing fee under 37 CFR 1.17(q)	
1806		1806		Submission of Information Disclosure Stmt	
8021		8021		Recording each patent assignment per property (times number of properties)	
1809		2809		Filing a submission after final rejection (37 CFR 1.129(a))	
1810		2810		For each additional invention to be examined (37 CFR 1.129(b))	
1801		2801		Request for Continued Examination (RCE)	
1802		1802		Request for expedited examination of a design application	

Other fee (specify)

\* Reduced by Basic Filing Fee Paid

\*\* Use Large Entity Fee Where No Form

Fill Field Exists

SUBTOTAL (3)

\$130.00

(Complete (if applicable))

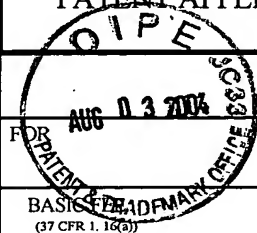
Toolawator Inc.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

# PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

W9570-01



## CLAIMS AS FILED - PART 1

(Column 1)

(Column 2)

FOR PRIORITY CLAIMS	NUMBER FILED	NUMBER EXTRA
BASIC PATENT (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	minus 20 =	*
INDEPENDENT CLAIMS (37 CFR 1.16(b))	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		Yes <input type="checkbox"/>

\* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY

OR

LARGE ENTITY

RATE	FEE		RATE	FEE
x	=	N/A	x	=
x	=	N/A	x	=
+	=	N/A	+	=
TOTAL		N/A	OR TOTAL	

## CLAIMS AS AMENDED - PART 2

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(e))	*	Minus	**	= 0
	Independent (37 CFR 1.16(b))	*	Minus	***	= 0
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) Yes <input type="checkbox"/>				

SMALL ENTITY

OR

LARGE ENTITY

RATE	ADDI-TIONAL FEE		RATE	ADDI-TIONAL FEE
x	=	N/A	x	=
x	=	N/A	x	=
+	=	N/A	+	=
TOTAL		N/A	OR TOTAL ADDIT. FEE	

## EXTENSION OF TIME - PART 3

SMALL ENTITY

OR

LARGE ENTITY

Fill Only 1 Box

Fill Only 1 Box

EXTENSION OF TIME	Date Of Outstanding Office Action	Shortened Response Due Date	Expected Response Filing Date	Number Of Months Extension Needed *	Extension Fee
				0	
	*If Number of Months Extension Shown Does Not Reflect Calculation on Calendar Basis, Enter Correct Number Manually				

# Months Extension	Fee		# Months Extension	Fee
1 (2251 Code)			1 (1251 Code)	
2 (2252 Code)			2 (1252 Code)	
3 (2253 Code)			3 (1253 Code)	
4 (2254 Code)			4 (1254 Code)	
5 (2255 Code)			5 (1255 Code)	
TOTAL		\$0.00	OR TOTAL	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "Y".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Date: July 30, 2004  
HU, Ruizhong et al. : Group Art Unit: 1764  
Serial No. 10/801,424 : Examiner: Unknown  
Filed: March 16, 2004 : Docket No.: W9570-01  
For: Gasoline Sulfur Reduction Catalyst For Fluid Catalytic Cracking Process

RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF NONPROVISIONAL APPLICATION

Mail Stop: Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the "Notice To File Missing Parts" mailed June 1, 2004, Applicants enclose herewith a completely executed "Declaration and Power of Attorney" for the above-identified patent application. A copy of the notice is also enclosed. The Patent and Trademark Office is authorized to charge Deposit Account 07-1770 the \$130.00 fee due for completing the application.

Respectfully submitted,

Charles A. Cross  
Attorney for Applicant  
Reg. No. 32,366

Tel: (410) 531-4508  
W. R. Grace & Co.-Conn.  
7500 Grace Drive  
Columbia, Maryland 21044

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

Pursuant to 37 CFR §1.8, I hereby certify that I have a reasonable basis to expect that this correspondence will be deposited with the United States Postal Service on or before the date indicated, as First Class mail, in an envelope addressed to:

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450.

7/30/02  
Date

Julius P. Jarney  
Signature



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/801,424	03/16/2004	Ruizhong Hu	W-9570-01

000030633  
 W.R. GRACE & CO.-CONN.  
 7500 GRACE DRIVE  
 COLUMBIA, MD 21044



CONFIRMATION NO. 2056  
 FORMALITIES LETTER



\*OC000000012835997\*

Date Mailed: 06/01/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

06/04/2004 SDIRETA1 00000051 071770 10801424 FILED UNDER 37 CFR 1.53(b)

01 FC:1051 130.00 DA

*Filing Date Granted*

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$130 for a Large Entity

- **\$130** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

12-41  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE